

## Gulf of Mexico Harmful Algal Bloom Bulletin

10 April 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: April 3, 2006

### Conditions Report

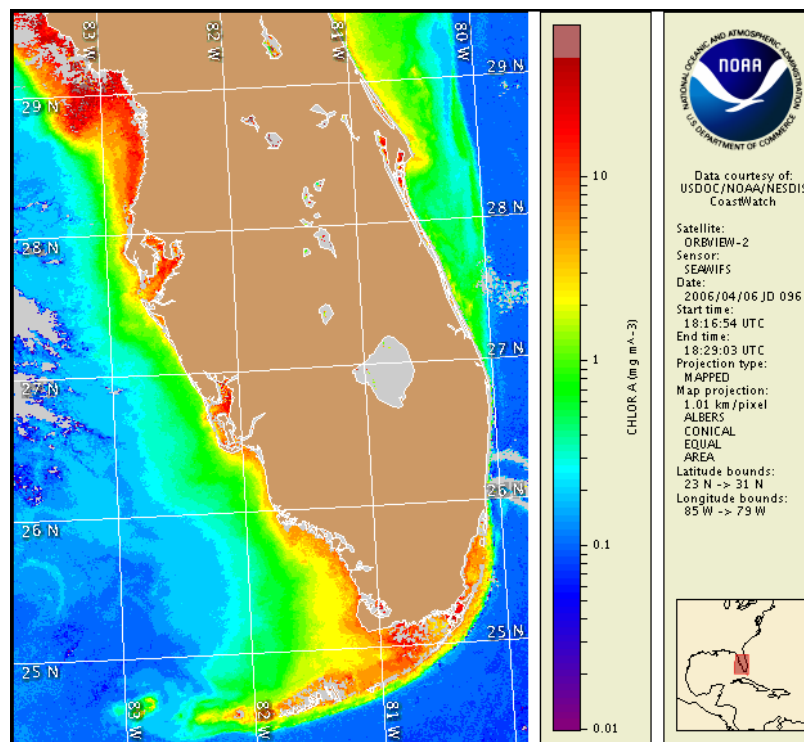
No impacts are expected in any Florida Counties this week. Due to current harmful algal bloom inactivity, bulletins are issued each Monday, until conditions warrant continuance of twice weekly bulletins.

### Analysis

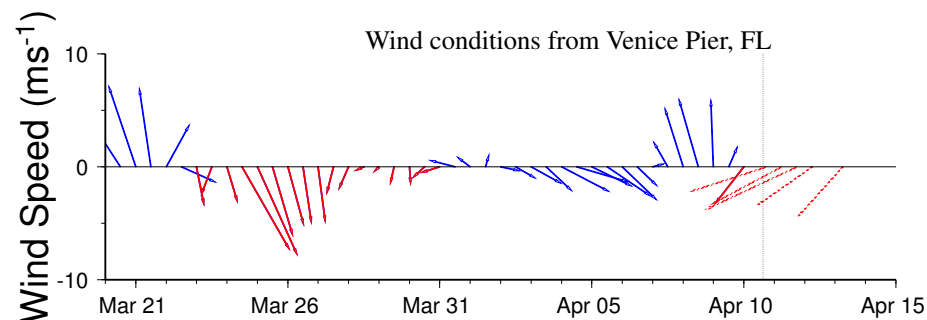
No *Karenia brevis* was detected last week in any samples from Pinellas to Monroe County, or in offshore samples collected north of the Keys from Big Pine Key to Key West (4/3-7 FWRI). No *K. brevis* was found in Okaloosa County samples (4/4 FWRI). Imagery has been cloudy the past few days in association with a passing front, but imagery from 4/6 shows a continuance of slightly elevated chlorophyll patches along the coast. These are attributed to the presence of various non-harmful algae populations.

Note: Bulletin imagery is from Thursday 4/6.

-Stolz and Fenstermacher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



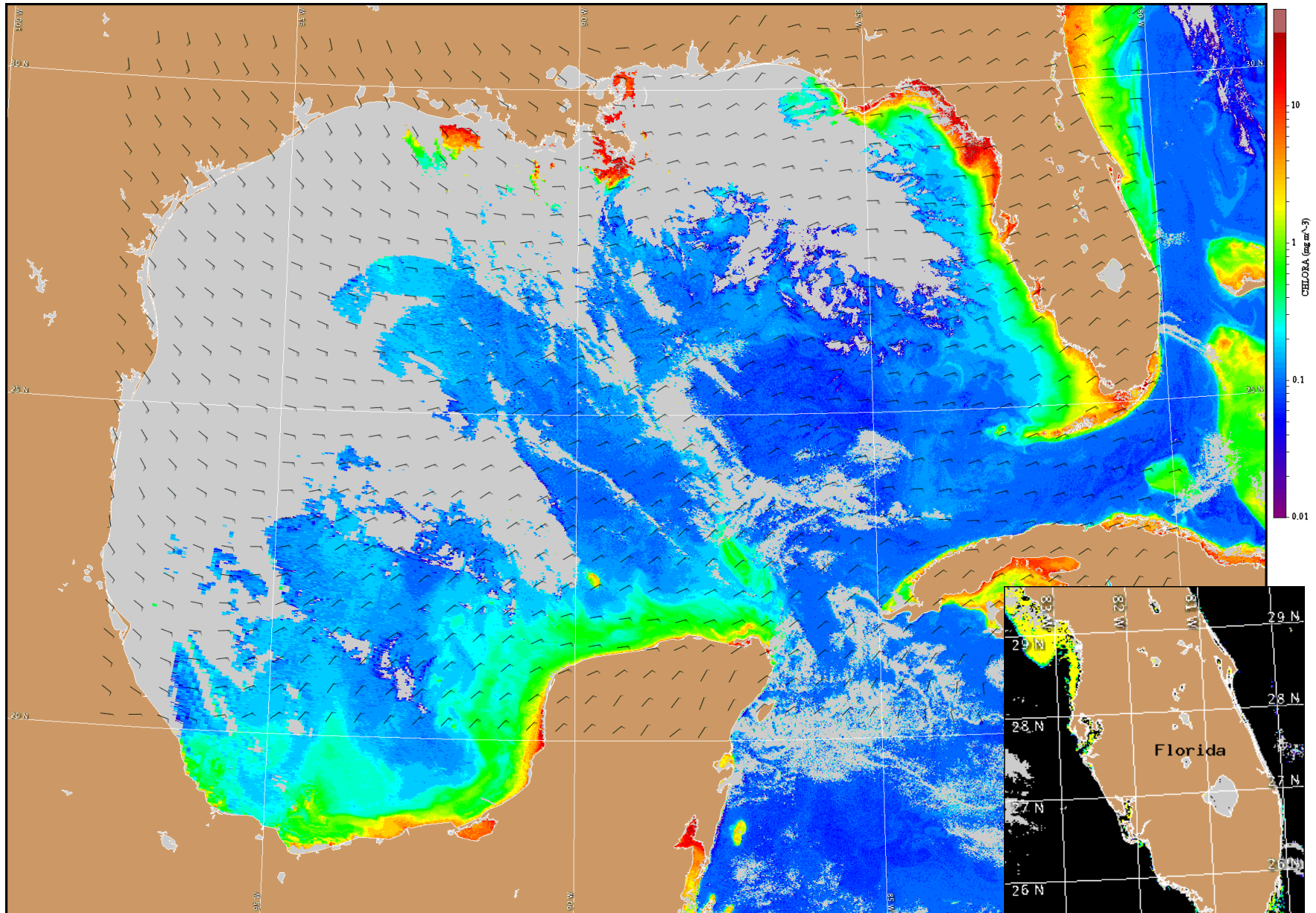
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northeasterly winds today at 15-20 knots (8-10 m/s) dropping to 15 knots (8 m/s) tomorrow, 10-15 knots (5-8 m/s) Wednesday, and 5-10 knots (3-5 m/s) Thursday. Easterly winds Friday at 10 knots (5 m/s).

FL Keys: Northeast winds today at 15 knots (8 m/s) picking up to 20 knots (10 m/s) tonight through Wednesday. Northeasterly to easterly winds Thursday at 15-20 knots (8-10 m/s), shifting to the east by Friday and dropping to 10-15 knots (5-8 m/s).

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for April 11, 2006 06Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

